

12.3.95  
No Date

**SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN**

Open Fuel Storage  
for  
Waterport Logistics Office  
Federal Center South  
4735 E. Marginal Way  
Seattle, Washington 98134  
Telephone: (206) 764-6802

Contact Name: Bill Galloway (Building Mechanic)

**CERTIFICATION:**

Engineer: \_\_\_\_\_  
Signature: \_\_\_\_\_  
License No: \_\_\_\_\_  
State: \_\_\_\_\_  
Date: \_\_\_\_\_

**CONTACTS PRIORITY:**

Bill Galloway (Building Mechanic) (206) 764-6802  
At facility address

John Veer, Seattle Field Office (206) 442-5655  
Jackson Federal Building, Room 1890  
915 Second Avenue, Seattle, WA 98174

**24-Hour Emergency Number:**

Federal Emergency Control Center (206) 442-0290  
Henry M. Jackson Federal Building  
915 Second Avenue  
Seattle, WA 98174

**Other Contacts:**

Lowell J. Anderson (Site Manager/Supervisor) (206) 764-3576  
Jeffery Grindstaff (Site Surveillance) (206) 764-3525

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## Facility Operations

This facility is owned and operated by the General Services Administration (GSA), a federal agency of the U.S. Government. The operation of this facility is the transshipment of annual resupply cargo to the Arctic and adjacent remote stations in Alaska. Part of this operation deals with the shipment of fuel oil drums. The containment facility was constructed to store fuel oil drums that are in transit. This is an open structure that was designed to contain a fuel spill in the event of an accidental release of fuel oil during this storage process. The fuel drums will be stored on pallets, and the storage containment structure has the capability of storing approximately 240 pallets, each holding approximately 6 drums. These pallets will be transported around the facility on various materials handling equipment.

## Description of Fuel Oil Storage Structure

A concrete slab (90' x 105') was constructed to temporarily store fuel oil drums which are in transit to other facilities. This concrete storage area has been constructed to eliminate the possibility of an accidental release of fuel oil into the site storm water system, which empties into the Duwamish River Waterway. The system is constructed as follows:

1. The system is designed to contain a 100-year, 24-hour frequency storm, thus preventing storm water which could come in contact with the fuel oil from entering the site storm water system. This is accomplished with subsurface storage tanks connected to a flow control drainage manhole built under the slab and a concrete curb which was installed around the concrete slab. The total storage capacity of this containment structure is 4995 cu. ft. of water (number based on engineer's design report). The 100-year, 24-hour storm would produce 3,268 cu. ft. of rainfall runoff on this facility.
2. The flow control manhole has an outlet pipe to the existing on site storm drain system. This outlet pipe is connected first to a gate valve which is closed to prevent the storm water from being released into the site storm water system until activated by authorized site personnel. Under a regularly scheduled program, this valve will be opened to release the storm water that has been collected. This storm water then flows through an oil/water separator, which traps any residual fuel oil which may have been washed in during a storm. From here the storm water flows into the site storm water system.

### Spill Prevention - Storage

Under the regularly scheduled maintenance program, the storm water will be drained from the storage system. At any time, all or part of this storage system will be available for an accidental fuel oil spill.

Storage capacity = 4995 cu. ft.

55 gal. drum capacity = 7.35 cu. ft./drum

If an accidental spill occurs, one of the following contractors should be called to clean out the fuel oil from the storage facilities before the storm water is released into the site storm drainage system.

Chempro Environmental Services  
3400 East Marginal Way  
Seattle, WA  
(206) 682-4898 (24 hours)

West Coast Oil Containment Service, Inc.  
37033 50th Avenue S.  
Auburn, WA  
1-800-336-4682  
(206) 863-9202 (24 hours)

### Preventative Maintenance of Oil/Water Separator

Oil accumulation in the separator will be checked a minimum of once a week or more frequently as needed. If depth of oil exceeds three inches, the unit will be cleaned.

After oil and grit has been removed, backfill the unit with clean water to prevent oil carry-over to the clean well.

A maintenance log will be kept. It should be signed and dated when the unit is either inspected or cleaned.

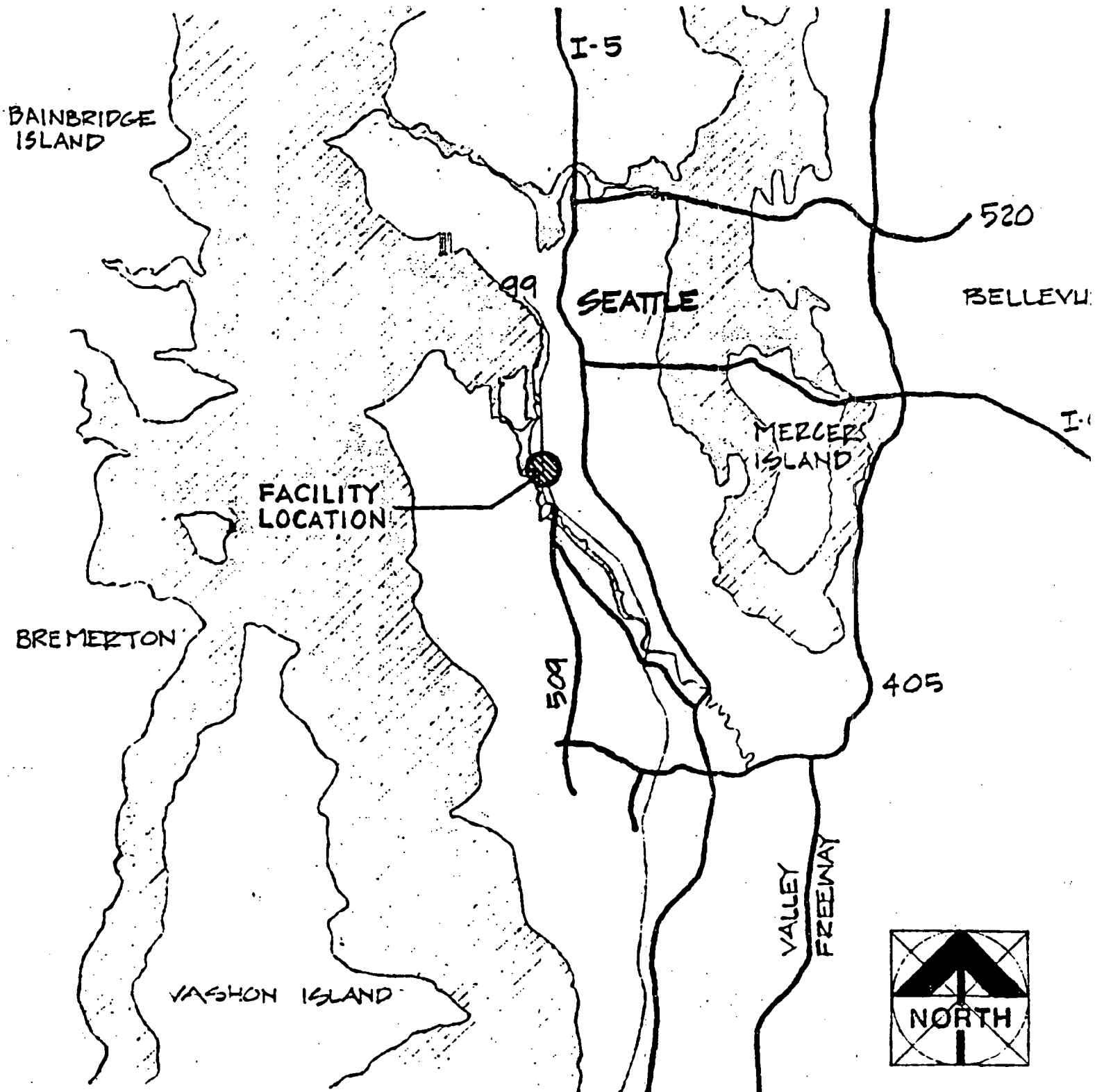
Waste oils will be disposed of at an approved site which will prevent them from reaching surface and/or ground water.

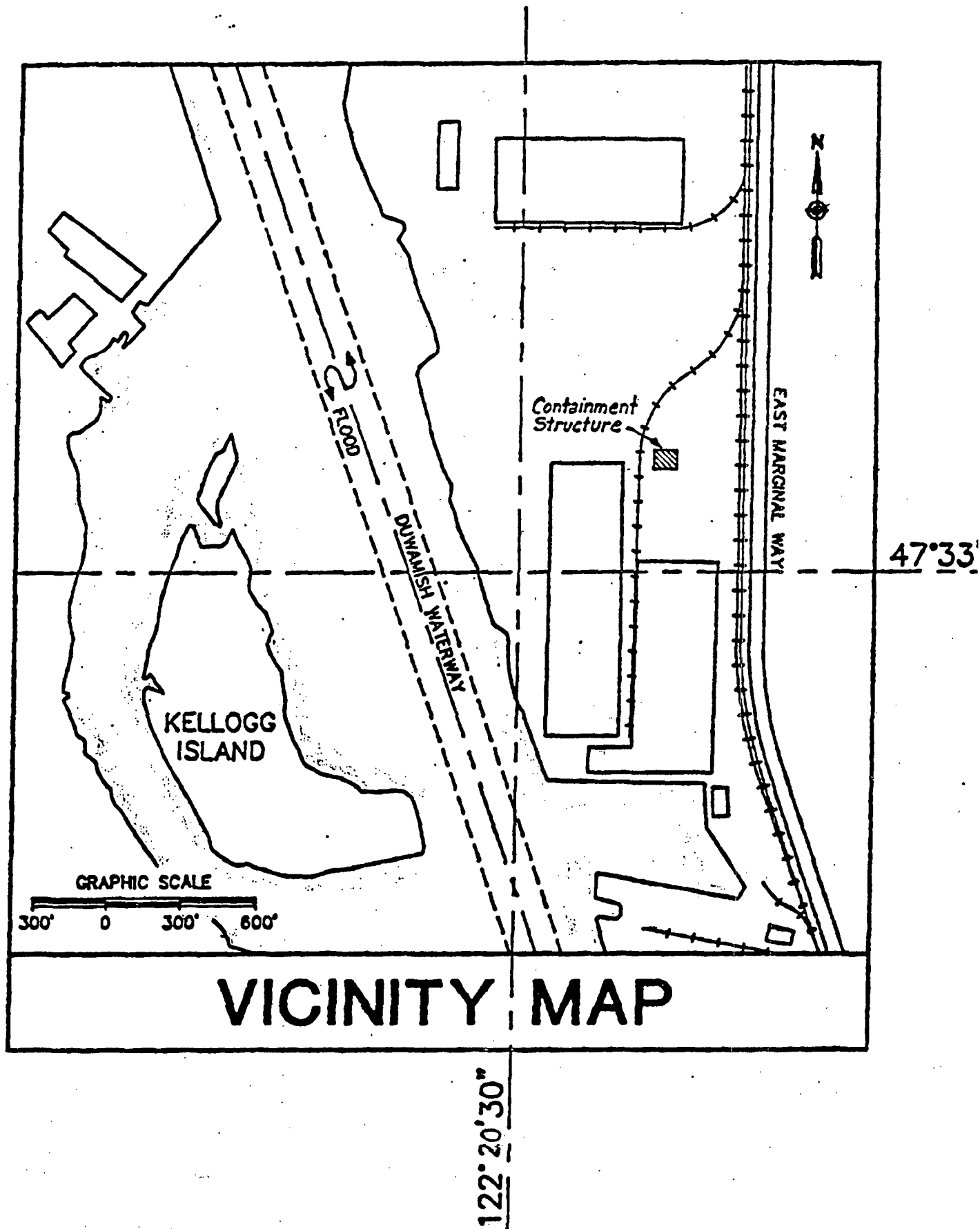
NOTE: If accidental spill occurs, the spill should be cleaned prior to opening gate valve and allowing water and spill from entering oil/water separator.

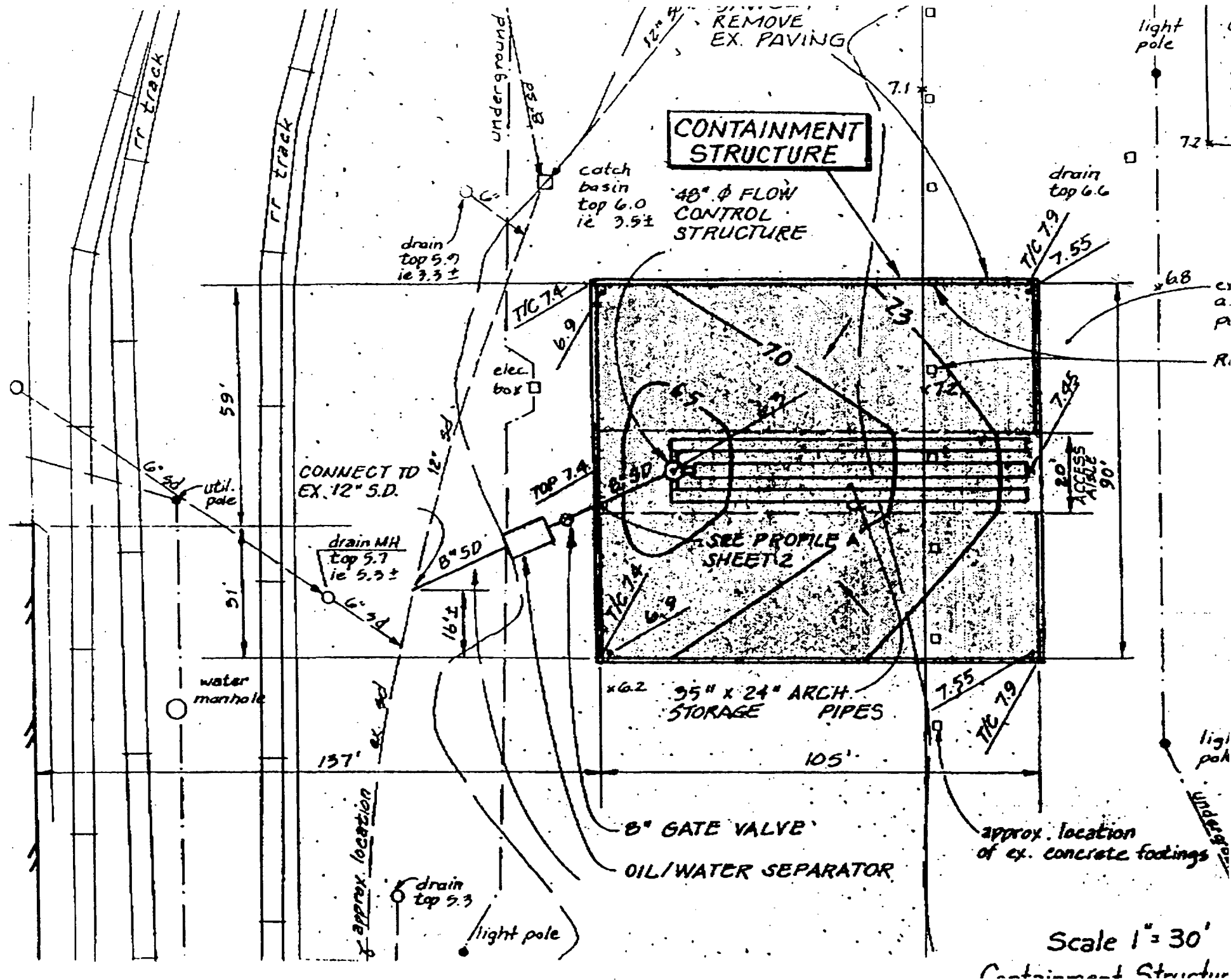
### Other On Site Prevention Measures

1. Materials handling equipment plus absorbent material will be utilized in case of accidental overflow of spill containment structure.
2. Warehouse personnel will attend a hazardous materials handling course at McChord Air Base, WA, and will be briefed on procedures to be implemented in the event of an accidental spill.

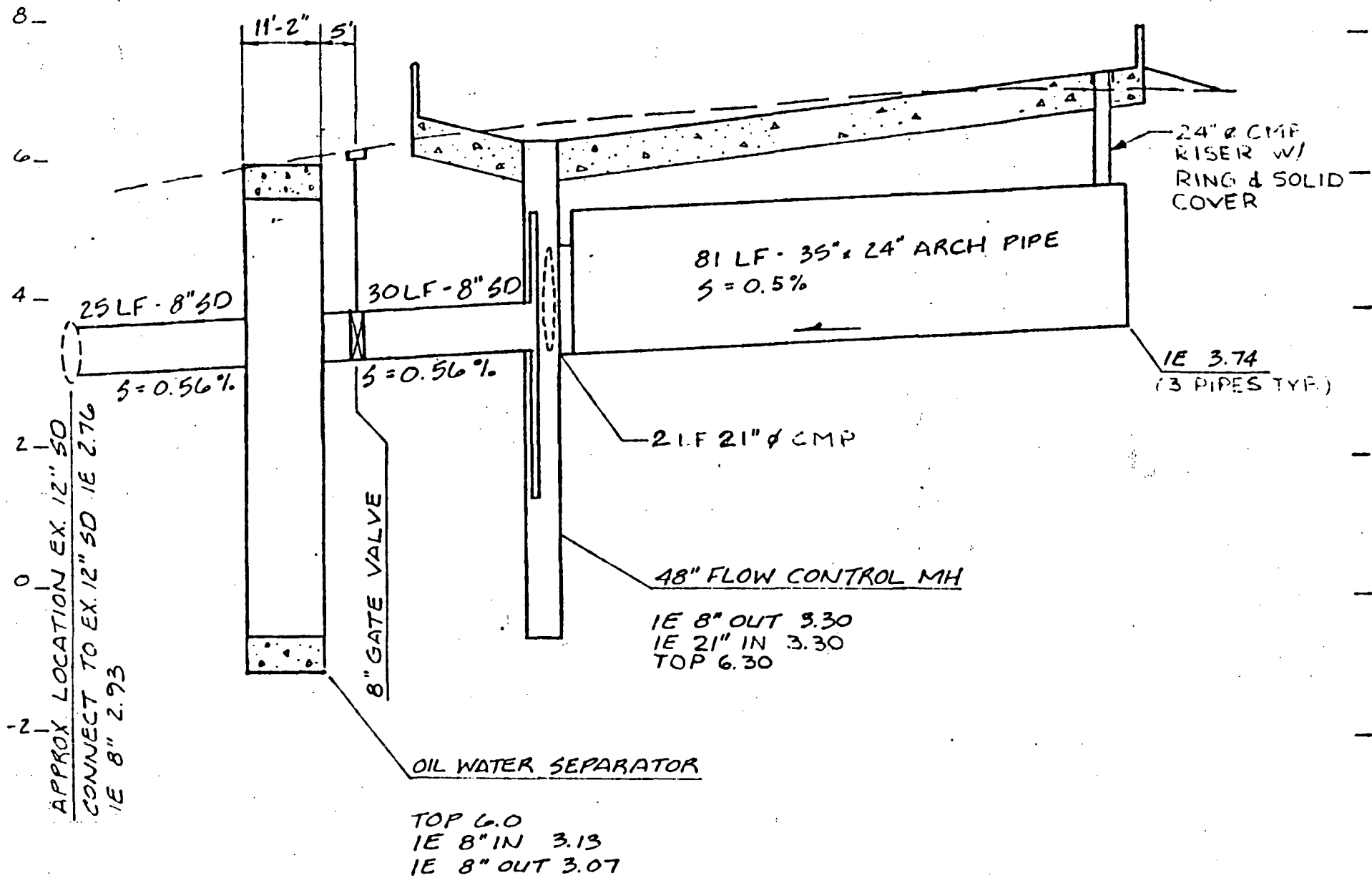
# LOCATION MAP







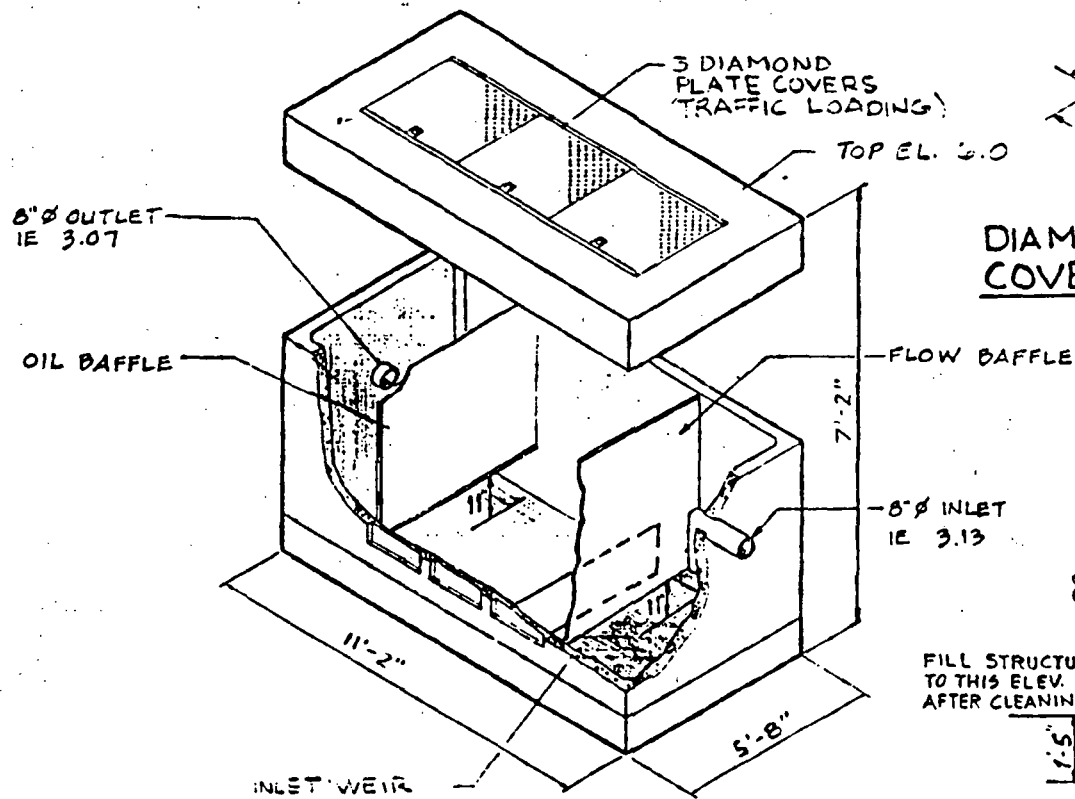
Scale 1" = 30'  
Containment Structure



### PROFILE A

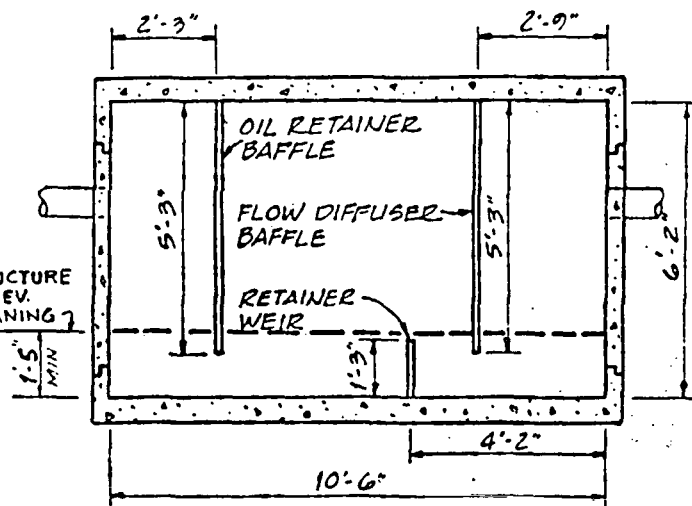
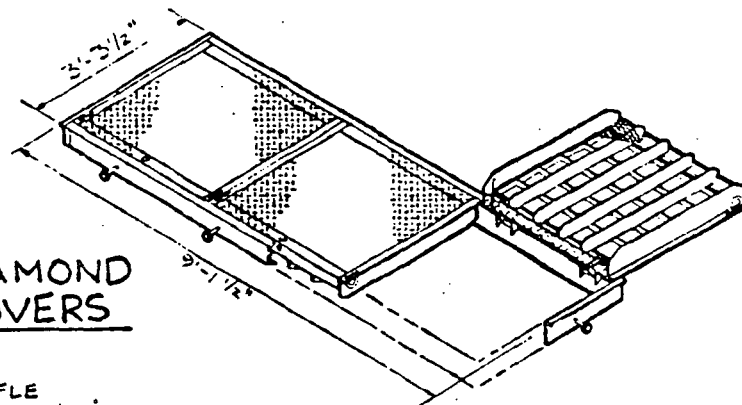
## Containment Structure Drainage System

SCALE: HORIZ. 1" = 20'



OIL/WATER SEPARATOR  
NTS

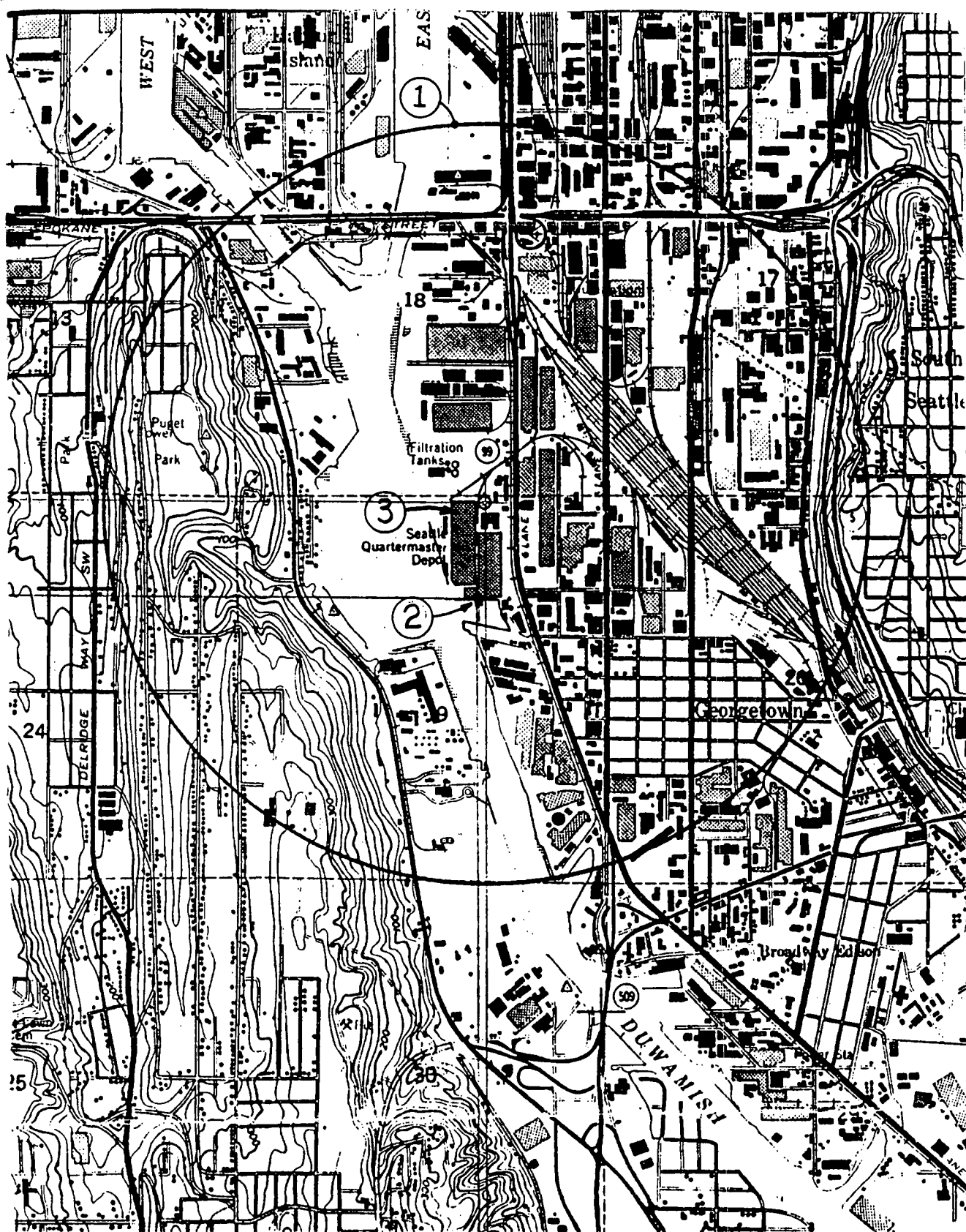
DIAMOND COVERS



SEPARATOR SECTION

FILL STRUCTURE  
TO THIS ELEV.  
AFTER CLEANING





Partial Photocopy of U.S.G.S. Map

Seattle South, Wash

N4730-W12215/7.5

LEGEND:

1. One mile circle from E of new containment facility
2. Location of outfall #001
3. Existing Waterport Logistics Office